STIC Search Report
EIC 3600

STIC Database Tracking Number: 211694

TO: Examiner Harish T Dass
Location: KNX 5A74
Art Unit: 3693
Wednesday, January 10, 2007
Case Serial Number: 09/883371

From: Ginger Roberts DeMille
Location: EIC 3600
KNX 4B59
Phone: 2-3522
Ginger.demille@uspto.gov

Search Notes

Dear Examiner Dass:

Please find attached the results of your search for 09/883371.

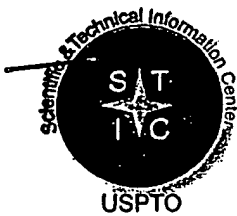The search was conducted using the mandatory database lists for Business Methods.

These other sources were also used: Internet, STN

If you have any questions, please do not hesitate to contact me.

Thanks for using EIC3600!

Ginger

Pub 2001/0056410

211694

Today's Date:	Class/Subclass	What date would you like to use to limit the search?
		Priority Date: 6/21/2000 Other:

Name _Harish T. Dass_

AU 3693 _____ Examiner # 79274

Knox 5A74

Room # X26793 _____ Phone X26793

Serial # 09/883,371

Format for Search Results (Circle One):

PAPER   DISK   (EMAIL)

Where have you searched so far?

(USP) (DWPI) (EPO) (JPO) ACM (IBM TDB)

IEEE   INSPEC   SPI   Other Proquest

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC3600 and on the EIC3600 NPL Web Page at http://ptoweb/patents/stic/stic-tc3600.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

See claim 1 (attached)

only limitation circuled (a) & (b) & (c)

~~Set a different password before the transaction~~

set (Reset) the password each time for every

transaction before the transaction

12/30/06

Thanks
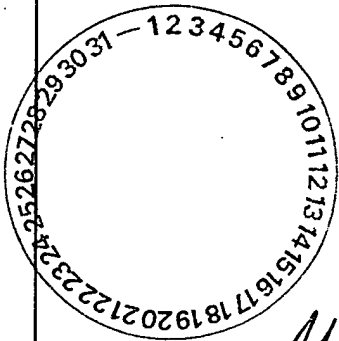
STIC Searcher	Phone 2-3522
Date picked up	Date Completed 1-10-2007

sira

Search and Information Resources Administration

(51) International Patent Classification 6 :		(11) International Publication Number:	**WO 97/11443**
G07F 7/10, G07C 9/00	**A1**	(43) International Publication Date:	27 March 1997 (27.03.97)

(21) International Application Number: PCT/SE96/01157

(22) International Filing Date: 18 September 1996 (18.09.96)

(30) Priority Data:
08/529,405   18 September 1995 (18.09.95)   US

(71) Applicant: TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE).

(72) Inventor: KHELLO, Robert; Storskiftesvägen 24, S-145 60 Norsborg (SE).

(74) Agents: BOHLIN, Björn et al.; Telefonaktiebolaget LM Ericsson, Patent and Trademark Dept., S-126 25 Stockholm (SE).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

Published
With international search report.
Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: METHOD AND APPARATUS FOR USER AUTHENTICATION
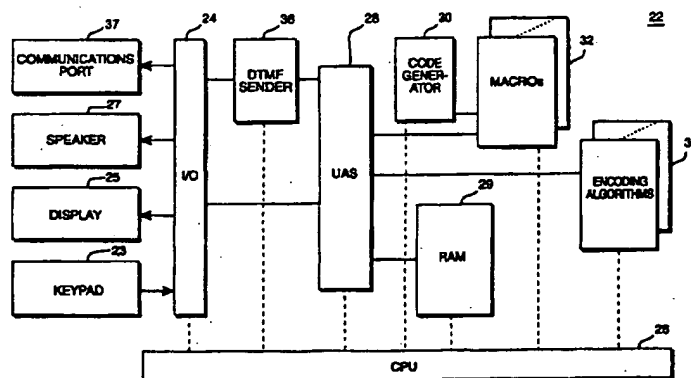
(57) Abstract

A user authentication service is disclosed which is both highly secure and user friendly. To access a particular service, a user simply enters a personal identification type number (PIN) using a portable terminal devices which encodes the PIN. More specifically, a character position of the user's PIN is determined, and a random code having a length selectable at each service transaction by the user is generated. The user's PIN is encrypted using one of plural available, pseudo-randomly encrypting algorithms to provide an encrypted PIN. The encrypted PIN is then combined with the code at the determined position before being transmitted over a communications network. When received, the encoded PIN is decoded using an analogous procedure to determine if the user is authorized. A plurality of security levels are provided with each level having a plurality of encryption algorithms and with each increasing level providing encryption algorithms of increasing complexity and sophistication. A user may also change a current PIN from the portable device easily and securely without having to contact a service center.

? show files;ds
File   2:INSPEC 1898-2007/Dec W3
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File 35:Dissertation Abs Online 1861-2006/Nov
       (c) 2006 ProQuest Info&Learning
File 65:Inside Conferences 1993-2007/Jan 09
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File 474:New York Times Abs 1969-2007/Jan 10
       (c) 2007 The New York Times
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       (c) 2002 The Gale Group
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       (c) 2006 CSA.
File 56:Computer and Information Systems Abstracts 1966-2006/Dec
       (c) 2006 CSA.

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S1   17113   (SET OR SETTING OR SETS OR RESET OR RESETTING OR RESETS OR
                 CHANGE OR CHANGING OR CHANGES OR RESCRAMBL?)(5N)(PASSWORD? ? -
                 OR (PASS OR SECRET OR ACCESS OR SECURITY OR ENCRYPT? OR SCRAM-
                 BL?)(3N)(WORD? ? OR CODE? ? OR KEY? ? OR PHRASE OR NUMBER? ?)
                 OR CIPHER? ?
S2   5   S1(10N)(PER OR EACH OR EVERY OR SEQUENTIAL OR INCREMENT? OR
                 BEFORE OR AFTER OR SUBSEQUENT?)(2W)(TRANSACTION OR PURCHASE -
                 OR SALE OR SETTLEMENT OR SETTLING OR SOLD OR CLICK? ? OR EXEC-
                 UTION)
? t2/3,k/all

 2/3,K/1   (Item 1 from file: 2)
DIALOG(R)File   2:INSPEC
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08597630   INSPEC Abstract Number: C2003-05-7210N-080
 Title: Mining Web log data based on key path
  Author(s): Ai-Bo Song; Zuo-Peng Liang; Mao-Xian Zhao; Yi-Sheng Dong
  Author Affiliation: Dept. of Comput. Sci. & Eng., Southeast Univ.,
Nanjing, China
  Conference Title: Proceedings of 2002 International Conference on Machine
Learning and Cybernetics (Cat.No.02EX583)   Part vol.1   p.150-5 vol.1
  Publisher: IEEE, Piscataway, NJ, USA
  Publication Date: 2002 Country of Publication: USA   4 vol.(x+iv+2255)
pp.
  ISBN: 0 7803 7508 4   Material Identity Number: XX-2002-03963
  U.S. Copyright Clearance Center Code: 0-7803-7508-4/02/$17.00
  Conference Title: Proceedings of 2002 International Conference on Machine
Learning and Cybernetics
  Conference Sponsor: Hebei Univ.; IEEE Syst., Man & Cybernetics Tech.
Committe on Cybernetics
  Conference Date: 4-5 Nov. 2002   Conference Location: Beijing, China
  Language: English
  Subfile: C
  Copyright 2003, IEE
  ...Abstract: key path in the MPKS, this algorithm can find out all
transactions relevant to it. After scanning the transaction database
only once, a relevant matrix is set up, where the key paths in MKPS are
taken as columns and the transactions are taken as rows. Compared...

 2/3,K/2   (Item 2 from file: 2)

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          (c)2007 The Gale Group
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          (c) 2007 Dialog
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          (c) 2007 PR Newswire Association Inc
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          (c) 2006 CSA.
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          (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
          (c) 1999 PR Newswire Association Inc
File 13:BAMP 2007/Dec W4
          (c) 2007 The Gale Group
File 75:TGG Management Contents(R) 86-2007/Dec W5
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File 95:TEME-Technology & Management 1989-2007/Jan W1
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File 348:EUROPEAN PATENTS 1978-2006/ 200701
          (c) 2007 European Patent Office
File 349:PCT FULLTEXT 1979-2006/UB=20070104UT=20061228
          (c) 2007 WIPO/Thomson

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Set      Items    Description
S1      386226   (SET OR SETTING OR SETS OR RESET OR RESETTING OR RESETS OR
                 CHANGE OR CHANGING OR CHANGES OR RESCRAMBL?)(5N)(PASSWORD? ? -
                 OR (PASS OR SECRET OR ACCESS OR SECURITY OR ENCRYPT? OR SCRAM-
                 BL?)(3N)(WORD? ? OR CODE? ? OR KEY? ? OR PHRASE OR NUMBER? ?)
                 OR CIPHER? ?
S2         295   S1(10N)(PER OR EACH OR EVERY OR SEQUENTIAL OR INCREMENT? OR
                 BEFORE OR AFTER OR SUBSEQUENT?)(2W)(TRANSACTION OR PURCHASE -
                 OR SALE OR SETTLEMENT OR SETTLING OR SOLD OR CLICK? ? OR EXEC-
                 UTION)
S3         124   S2 FROM 348,349
S4          57   S3 AND AC=US(S)AY=1963:2001
S5          57   S3 AND AC=US(S)AY=(1963:2001)/PR
S6          72   S3 AND PY=1963:2001
S7         171   S2 NOT S3
S8         115   S7 NOT PY>2001
S9          73   RD  (unique items)
S10         57   S4:S5
? t10/3,k/all; t9/3,k/all
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 10/3,K/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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         (c) 2007 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2007/Jan 03
         (c)2007 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2007/Jan 05
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File 621:Gale Group New Prod.Annou.(R) 1985-2007/Jan 02
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File  24:CSA Life Sciences Abstracts 1966-2006/Oct
         (c) 2006 CSA.
File 634:San Jose Mercury  Jun 1985-2007/Jan 09
         (c) 2007 San Jose Mercury News
File 636:Gale Group Newsletter DB(TM) 1987-2007/Jan 05
         (c) 2007 The Gale Group
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File  13:BAMP 2007/Dec W4
         (c) 2007  The Gale Group
File  75:TGG Management Contents(R) 86-2007/Dec W5
         (c) 2007 The Gale Group
File  95:TEME-Technology & Management 1989-2007/Jan W1
         (c) 2007 FIZ TECHNIK
File 348:EUROPEAN PATENTS 1978-2006/ 200701
         (c) 2007 European Patent Office
File 349:PCT FULLTEXT 1979-2006/UB=20070104UT=20061228
         (c) 2007 WIPO/Thomson


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                CHANGE OR CHANGING OR CHANGES OR RESCRAMBL?)(5N)(PASSWORD? ? -
                OR (PASS OR SECRET OR ACCESS OR SECURITY OR ENCRYPT? OR SCRAM-
                BL?)(3N)(WORD? ? OR CODE? ? OR KEY? ? OR PHRASE OR NUMBER? ?)
                OR CIPHER? ?
S2        295   S1(10N)(PER OR EACH OR EVERY OR SEQUENTIAL OR INCREMENT? OR
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                UTION)
S3        124   S2 FROM 348,349
S4         57   S3 AND AC=US(S)AY=1963:2001
S5         57   S3 AND AC=US(S)AY=(1963:2001)/PR
S6         72   S3 AND PY=1963:2001
S7        171   S2 NOT S3
S8        115   S7 NOT PY>2001
S9         73   RD  (unique items)
? s s4:s5
    S10        57  S4:S5
? show files;ds
File  15:ABI/Inform(R) 1971-2007/Jan 09
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Priority 6/21/2000

"While many people are focused on making computers do more, a few of us are focused on technology for ensuring that there are certain things computers will not do, such as invade your privacy."

—David Chaum

DAVID CHAUM ON ELECTRONIC COMMERCE

How Much Do You Trust Big Brother?

About 20 years ago David Chaum had a vision of the future of information technology that changed his life. At the time Chaum was studying for his doctorate in computer science at the University of California, Berkeley, where he was working on cryptographic protocols for establishing trust between mutually untrusting parties. Chaum intuitively "got" where the Internet was taking us, and began to think about models that would make electronic commerce feasible. What eventually resulted was a new method for making electronic transactions untraceable, Chaum's blind signature protocol. Applied to an online payment transaction, this new protocol assured a bank or merchant that payments were not forged, while also assuring users that information about them and their purchases could not be traced.

Sound good? Well, there's a little matter that it would lead to a paradigm shift from the way electronic transactions are handled in our society, where credit card use predominates. But still—aren't you worried that your privacy will become illusory as information goes increasingly online: that you may be forced to trade some rights and some independence for the efficiencies and miracles of the digital age?

Chaum has spent his professional life in creative confrontation with this issue. After teaching at New York University and the University of

In your pocket: smartcards

The worldwide boom in
smartcard deployment is
accelerating their evolution

Take a look in your wallet and what do you find? In all likelihood, bills and coins. A variety of credit cards. A driver's license. A transit pass. A voter registration card. A library card. A video rental card. Insurance cards. Frequent flyer and car rental cards. A telephone charge card.

By the end of the century, all of these documents might be replaced by just two or three smartcards. Because they can store and protect relatively large amounts of data, smart-cards are being used in a number of ways around the world, replacing a wallet's contents bit by bit. Stored-value cards were in place last year in Atlanta, Ga., at Olympic venues standing in for coins and bills. A health card identifying the holder's insurance provider and account number has been issued to every citizen of Germany, and plans are in place to add such medical information as the name of the holder's doctor, blood type, allergic reactions, medications, next of kin, and instructions in case of emergency. Smart social security cards in Spain interface with a kiosk system that can provide updated information on benefits and eligibility, as well as pertinent job opportunities.

Today, most smartcards handle a single application, but will realize their true value when a single card can address multiple applications. For example, a credit card could have a stored-value function for small purchases, in

CAROL HOVENGA FANCHER, *Motorola Inc.*